

Relative comparison

**Analysis of Relative ppm values as read by MultiRAE compared to HAPSITE values at 417 S Canyon**

Analyte Name	CAS Number	EPA Residential Air RSLs (ug/m3)	HAPSITE Final ppm	HAPSITE value converted to ug/m3	Comparison of relative concentrations of analytes as measured at 40 ppm MultiRAE results - converted to ug/m3					
					40 ppm relative	5 ppm relative	1 ppm relative	500 ppb	250 ppb	100 ppb
Benzene	71-43-2	0.36	0.0669	213.9	26.7	5.3	2.7	1.3	0.5	
Cyclohexane	110-82-7	630	5.0426	17357.1	2169.6	433.9	217.0	108.5	43.4	
Ethylbenzene	100-41-4	1.1	0.1403	609.1	76.1	15.2	7.6	3.8	1.5	
Hexane	110-54-3	73	6.6578	23465.6	2933.2	586.6	293.3	146.7	58.7	
Toluene	108-88-3	520	0.5083	1915.5	239.4	47.9	23.9	12.0	4.8	
Xylene, P-	106-42-3	10	0.4699	2040.3	255.0	51.0	25.5	12.8	5.1	

KEY

RED = MultiRAE relative results exceed EPA Residential Air RSLs

Grey = used for calculation

	EPA Residential Air RSLs	Key	EPA Residential Air Interim Action Levels	HAPSITE value converted to ug/m3	Acute?		
					40 ppm relative	Risk/Hazard	
Benzene	0.36	c	36	213.9	5.94E-04		160 MRL
Cyclohexane	630	n 0.1	63000	17357.1	2.755101069		
Ethylbenzene	1.1	c	110	609.1	5.54E-04		
Hexane	73	n 0.1	7300	23465.6	32.14464941		
Toluene	520	n 0.1	52000	1915.5	0.368362845		3800 MRL
Xylene, P-	10	n 0.1	1000	2040.3	20.40297984		390000 IDLH

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<b>g/mol</b>	Concentration of analytes (HAPSITE) (mg/m3)
78.11	<b>0.214</b>
84.16	<b>17.357</b>
106.17	<b>0.609</b>
86.18	<b>23.466</b>
92.14	<b>1.915</b>
106.17	<b>2.040</b>